O. Karl Scheible Hydrogual, Inc. Mahway, NJ

10:00 a.m. Break

10:30 a.m. Field Study of In-Vessel Composting

John Donovan

Camp, Dresser and McKee

Boston, MA

11:00 a.m. Low-Energy Incineration

John Donovan

11:45 a.m. Lunch

1:00 p.m. European High Biomass Study

Arthur J. Condren

1:45 p.m. 100% M/R Summary

Bob A. Hegg

Process Applications, Inc.

Fort Collins, CO

2:30 p.m. Sludge Production from POTWs

Bob Hegg

3:00 p.m. Question/Answer Session

EPA WWT SEMINAR SERIES c/o ERG, Inc.
6 Whittemore Street Arlington, MA 02174

United States Environmental Protection Agency

Center for Environmental Research Information Cincinnati OH 45268

United States **Environmental Protection** Agency

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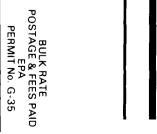
Center for Environmental Research Information (CERI)

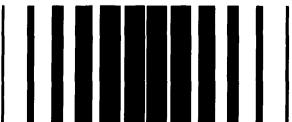
Technology Transfer

655R88001

Field Evaluations of Municipal Wastewater **Treatment Technologies**

Schenectady, NY-December 7-8, 1988 Charlotte, NC-January 9-10, 1989 Chicago, IL-January 12-13, 1989 Spokane, WA-January 23-24, 1989 San Francisco, CA-January 26-27, 1989





Background and Purpose

Advances in municipal wastewater treatment technology continue to develop at a dramatic pace, with several hundred Innovative and Alternative (I/A) projects now in operation across the country. Many studies have been undertaken by the U.S. Environmental Protection Agency to ascertain actual field-scale performance and capital and O&M costs of I/A technologies, as well as to document problems encountered with their design, construction, and operation. In addition, several important issues vital to effective performance of all Publically Owned Treatment Works (POTWs) have recently been addressed by the Agency. These include: major wastewater collection system problems, sludge production values, and toxics control. Specifically, this seminar series اللنهر

- -Provide actual full-scale experience data to improve the data base of design engineers and their client municipalities in properly considering alternative municipal wastewater collection and treatment systems and in performing accurate cost-effective analyses of these alternatives. This will increase the probability of optimum system choice
- -Provide state regulatory officials with the ability to impact ongoing and planned designs of EA technologies by illustrating the problems encountered with previous projects. By identifying these problems, design engineers and municipalities can have greater certainty of the technologies' costs and design requirements
- --Identify problem technologies that have not performed as anticipated, necessitating modification and/or replacement (M/R) actions. The performance, design, and operation of these technologies will be discussed

This seminar series will present information on several new technologies not covered in previous seminars, as well as newly developed design, performance, and operating data on some technologies that were.

The information presented in these seminars will be of major benefit to those involved in the evaluation, design, and/or approval of municipal wastewater systems and will be especially beneficial to those involved in I/A technology applications.

Registration

There is no registration fee and you may register for any one of the five seminars. We recommend, however, that you chose the seminar to be given closest to your EPA region since both regional and State personnel will be participating in the sessions. Attendance is limited so register early. A confirmation letter will be sent to all registrants. For further information contact Ms. Karen Natsios, Seminar Coordinator, (617) 648-7870.

Hotel Information

Arrangements have been made for a block of rooms at each hotel where seminars are to be held. Special rates are available to seminar attendees. Make your reservations directly with the hotel and mention that you are attending the EPA seminar to receive the special guest room rate.

Seminar Locations and Dates

Ramada Inn 450 Nott Street Schenectady, NY 12308 (518) 370 7151 December 7-8, 1988

Marriott City Center 100 West Trade Street Charlotte, NC 28202 (704) 333-9000 January 9-10, 1989

The Palmer House 17 East Monroe Street Chicago, IL 60603 (312) 726-7500 January 12-13, 1989

North 32 Spokane Falls Court Spokane, WA 99201-0165 (509) 455-9600 January 23-24, 1989

Sir Francis Drake Powell and Sutter Streets San Francisco, CA 94012 (415) 392-7755 January 26-27, 1989

Seminar Program

First Day 7:30 a.m.	Registration
8:20 a.m.	Welcome
8:30 a.m.	Overview and Purpose James F. Kreissl USEPA—Risk Reduction Engineering Laboratory
	Cincinnati, OH

8:45 a.m.	OMPC Activity Summary Peter Shanaghan USEPA—Office of Municipal Pollution Control Washington, DC
9:00 a.m.	Local Case Study
9:45 a.m.	Break
10:15 a.m.	Sulfide Corrosion of Sewers Speaker to be Announced
10:45 a.m.	Rainfall-Induced Infiltration Willilam F. Boyle James M. Montgomery Consulting Engineers Pasadena, CA
11:15 a.m.	Sewer Exfiltration Joriathan Braswell Engineering-Science Fairfax, VA
11:45 a.m.	Lunch
1:00 p.m.	Toxics in POTWs Jonathan Braswell
1:30 p.m.	Field Evaluation of the PACT Process Arthur J. Condren James M. Montgomery Consulting Engineers Pasadena, CA
2:30 p.m.	Break
3:00 p.m.	Field Evaluation of Intrachannel Clarifiers A. T. Wallace University of Idaho Moscow, ID
4:00 p.m.	Draft Tube Aeration Study William C. Boyle
4:45 p.m.	Question/Answer Session
Second Day	
8:00 a.m.	Constructed Wetlands Sherwood Reed U.S. Army Corps of Engineers Hanover, NH
8:30 a.m.	Updated Performance of Land Treatment Systems Sherwood Reed

9:00 a.m. Alternative Sewers

James F. Kreissl

stering at the following seminars (check

January 12-1 A—January 2: 3-27, 1989 26-Chicago, IL. Spokane, M.—January 2 San 9-10, January Schenecta Charlotte, \cap

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